

House Engrossed

FILED

**KEN BENNETT
SECRETARY OF STATE**

State of Arizona
House of Representatives
Forty-ninth Legislature
Second Regular Session
2010

HOUSE CONCURRENT MEMORIAL 2009

A CONCURRENT MEMORIAL

URGING THE UNITED STATES CONGRESS TO ENACT LEGISLATION THAT PROVIDES GRANT FUNDING FOR STATES TO CONDUCT FEASIBILITY STUDIES FOR THE DOMESTIC PRODUCTION AND RESEARCH OF MEDICAL ISOTOPES.

(TEXT OF BILL BEGINS ON NEXT PAGE)



1 To the Congress of the United States of America:

2 Your memorialist respectfully represents:

3 Whereas, molybdenum-99 is a critical medical isotope whose decay
4 product technecium-99m is used in approximately two-thirds of all diagnostic
5 medical isotope procedures in the United States, or 50,000 medical procedures
6 daily; and

7 Whereas, molybdenum-99 has a half-life of 66 hours and decays at a rate
8 of approximately one per cent per hour after production. It therefore cannot
9 be stockpiled, so production must be scheduled to meet the projected demand;
10 and

11 Whereas, any interruption of the supply chain from production to
12 processing, packaging, distribution and use can disrupt patient care and
13 research; and

14 Whereas, there are no facilities in the United States that are
15 dedicated to the production of molybdenum-99 for medical uses, and the United
16 States is dependent on the continued operation of foreign production
17 facilities for millions of critical medical procedures annually; and

18 Whereas, disruption in a foreign production due to the unexpected
19 shutdown of a Canadian reactor that supplies a majority of the United States'
20 demand for molybdenum-99, and the anticipated temporary disruption of
21 operation of the Netherlands reactor that supplies the remainder, has
22 resulted in an acute shortage of molybdenum-99 and its decay product
23 technecium-99m; and

24 Whereas, as a result of the critical shortage of molybdenum-99, medical
25 procedures requiring technecium-99 are being rationed or delayed,
26 alternative, less-effective and more costly treatments that may result in
27 increased radiation doses are being used instead of technecium-99, and
28 research and development of new treatments is being deferred; and

29 Whereas, the demand for medical isotopes is expected to grow
30 significantly each year, escalating the supply shortage, and there are other
31 isotopes with medical potential that are not currently available.

32 Wherefore your memorialist, the House of Representatives of the State of
33 Arizona, the Senate concurring, prays:

34 1. That the United States Congress enact legislation that provides
35 grant funding for states to conduct feasibility studies for the domestic
36 production and research of medical isotopes.

37 2. That the Secretary of State of the State of Arizona transmit copies
38 of this Memorial to the President of the United States Senate, the Speaker of
39 the United States House of Representatives and each Member of Congress from
40 the State of Arizona.



PASSED BY THE HOUSE MARCH 8, 2010.

PASSED BY THE SENATE APRIL 27, 2010.

FILED IN THE OFFICE OF THE SECRETARY OF STATE APRIL 28, 2010.